

CLAIMS:

1. A loudspeaker including a housing (2) with a front side (2a) and a rear side (2b), a diaphragm (8) accommodated in and flexibly connected to the housing and an actuator (6) for displacing the diaphragm with respect to the housing along a translation axis (10) imaginarily extending from said one side to said other side of the housing, wherein the 5 housing extends around the translation axis and is provided with a conical forepart (22a) widening towards the front side, a base part (22b) extending towards the rear side and an intermediate housing part (22c) extending between the forepart and the base part and including transition areas (22c₁, 22c₂) connected to the forepart and the base part, which transition areas behave as hinges under the influence of an axial load above a certain value, 10 whereby the intermediate housing portion turns towards the translation axis and the forepart turns towards the rear side under the influence of such a load.

2. A loudspeaker as claimed in claim 1, wherein the intermediate housing part has a substantially cylindrical shape.

15 3. A loudspeaker as claimed in claim 1, wherein the material of the intermediate housing part is different from the material of the forepart and/or the base part.

20 4. A loudspeaker as claimed in claim 1, wherein the transition areas are weaker than the other portions of the housing.

25 5. A loudspeaker as claimed in claim 1, wherein the forepart of the housing has an angle of inclination, related to a line parallel to the translation axis, which is at least 30 degrees.

6. A loudspeaker as claimed in claim 1, wherein the intermediate housing part has a length dimension, viewed along a line parallel to the translation axis, which is at least 3 mm.

7. A loudspeaker as claimed in claim 1, wherein the intermediate housing part has a thickness dimension, viewed in a direction perpendicular to the translation axis, which is minimally 0.5 mm.

5 8. A housing for use in the loudspeaker as claimed in any one of the preceding claims, the housing being constructed as defined in any one of the preceding claims.